

Applicant: Hans-Christoph MAGEL
Docket No. R.306018
Preliminary Amdt.

NEW ABSTRACT:

Please replace the original abstract with the following new abstract:

ABSTRACT OF THE DISCLOSURE

A fuel injector with a pressure booster supplied with fuel at high pressure. A work chamber of the pressure booster is separated from a differential pressure chamber via a booster piston. The pressure relief and the subjection to pressure of the differential pressure chamber are effected via a switching valve which communicates with the differential pressure chamber via a control line. A pressure chamber on an injection valve member communicates with a compression chamber of the pressure booster via a pressure chamber supply line. The switching valve is embodied as a direct-switching 3/2-way valve, whose valve needle is pressure-balanced and has both a sliding seat and a slide seal.